

I CLAIM:

1. A method for reducing wear and tear on components in an oil-pumping system, comprising the steps of:

providing a first component of an oil pumping system;

providing a second component of an oil pumping system that is in moving contact with said first component during operation of said oil-pumping system, such that said moving contact tends to cause wear and tear on at least one of said first component and said second component over time;

coating at least one of said first component and said second component with amorphous carbon.

2. The method of Claim 1 further comprising the step of coating each of said first component and said second component with amorphous carbon.

3. The method of Claim 1 wherein said coating step involves application of an amorphous carbon coating having a thickness within the range of between about .0002" and .0008".

4. The method of Claim 1 wherein said first component is a ball.

5. The method of Claim 4 wherein said second component is a seat.

6. The method of Claim 1 wherein said first component is a plunger.

7. The method of Claim 6 wherein said second component is a barrel.

8. A method for reducing wear and tear on components in an oil-pumping system, comprising the steps of:

providing an oil pumping system including a travelling valve ball, a travelling valve seat, a standing valve ball, a standing valve seat, a plunger and a barrel; and

coating each of said travelling valve ball, travelling valve seat, standing valve ball, standing valve seat, plunger and barrel with amorphous carbon.

9. The method of Claim 8 wherein said coating step involves application of an amorphous carbon coating having a thickness within the range of between about .0002" and .0008".